

WHAT IS CLAIMED IS:

1. A method for processing a film, comprising:

providing a film; and

impressing the film to form a plurality of protuberant structures on the film,

5 wherein impression is performed by a squeezer including an impresser and a transfer, the impresser having a plurality of grain projections formed thereon for impressing the film placed between the impresser and the transfer.

2. The method according to claim 1, wherein the film is made of a material chosen from the group composed of metal, plastic, alloy, and complex film, wherein the
10 complex film is composed of one of following including metal, metal coupled with plastic, metal coupled with paper and the like.

3. The method according to claim 1, further including the step of placing a buffer layer between the film and the transfer, wherein the buffer layer is made of paper, plastic film, release paper, release film, adhesive coupled with paper, adhesive coupled
15 with releasing film and the like.

4. The method according to claim 1, after the impressing step is performed, further including the step of placing a protection layer on the top of film, wherein the protection layer is made of organic material, inorganic material, metal or the like.

5. The method according to claim 1, wherein the protuberant structures have a
20 protuberant shape with an opening or without an opening.

6. The method according to claim 1, wherein the grain projections are composed of one of following material including diamond particle, Borazon particle and the like.

7. A method for processing a film, comprising:

providing a film;

providing a buffer layer; and

performing an impression step to form a plurality of protuberant structures on the film, wherein the impression step is performed by a squeezer including an impresser and a transfer, the impresser having a plurality of grain projections formed thereon for
5 impressing the film placed between the impresser and the transfer.

8. The method according to claim 7, wherein the film is made of a material chosen from the group composed of metal, plastic, alloy, and complex film, wherein the complex film is composed of one of following including metal, metal coupled with
10 plastic, metal coupled with paper and the like.

9. The method according to claim 7, wherein the buffer layer is made of a material including paper, plastic, releasing paper, releasing film, adhesive coupled with paper, adhesive coupled with releasing film and the like.

10. The method according to claim 7, after the impressing step is performed,
15 further including the step of placing a protection layer on the top of film, wherein the protection layer is made of organic material, inorganic material, metal or the like.

11. The method according to claim 7, wherein the protuberant structures have a protuberant shape with an opening or without an opening

12. The method according to claim 7, wherein the grain projections are
20 composed of one of following material including diamond particle, Borazon particle and the like.

13. A method for processing a film, comprising:

providing a film; and

selecting a region of the film and performing an impression step to form a plurality of protuberant structures on a region of the film, wherein the impressing step is performed by a squeezer including an impresser and a transfer, the impresser having a plurality of grain projections formed thereon for impressing the film placed between the
5 impresser and the transfer.

14. The method according to claim 13, wherein the grain projections are formed on the impresser and in a location corresponding to a region of the film, such that after impression the protuberant structures are formed in the region of the film by the impresser and the transfer, which has a flat surface.

10 15. The method according to claim 13, wherein the grain projections are formed on the whole surface of the impresser, and after the performing of the impressing step the protuberant structures are formed on the region of the film by using the impresser and the transfer which has a positive region corresponding to the region of the film.

15 16. The method according to claim 13, wherein the grain projections are formed on a whole surface of the impresser, such that after impression the protuberant structures are formed in the region of film by the impresser and the transfer, which has a negative region corresponding to the region of the film.

20 17. The method according to claim 13, wherein the grain projections are formed on the whole surface of the impresser and the transfer has a flat surface, and further providing a template between the impresser and transfer, such that the template has a pattern corresponding to the region of the film for forming the protuberant structures on the region of the film by impression.

18. The method according to claim 17, wherein the template includes a negative template or a positive template.

19. The method according to claim 13, wherein the grain projections are composed of one of following material including diamond particle, Borazon particle and the like.

20. The method according to claim 13, wherein the film is made of a material
5 chosen from the group composed of metal, plastic, alloy, and complex film, wherein the complex film is composed of one of following including metal, metal coupled with plastic, metal coupled with paper and the like.

21. The method according to claim 13, wherein the protuberant structures have a protuberant shape with an opening or without an opening.

10 22. The method according to claim 13, further providing a buffer layer between the film and the transfer.

23. The method according to claim 22, wherein the buffer layer is made of a material chosen from the group composed of paper, plastic, releasing paper, releasing film, adhesive coupled with paper, adhesive coupled with releasing film and the like.

15 24. The method according to claim 13, further including the step of placing a protection layer on the top of film, wherein the protection layer is made of organic material, inorganic material, metal or the like.